

## WORK ORDER

Printed: 8/10/2012 3:39:58PM

E123207

## US-EPA, Region 4, SEDS

|  |  |
|--|--|
| <b>Client:</b> Air Quality Management (101A59)   | <b>Project Number:</b> 12-0562                           |
| <b>Project:</b> Yellow Bluff Dust Study - MCROWE | <b>Acct # / Location:</b> 101A59C Yellow Bluff Wilcox AL |

|                                       |  |
|---------------------------------------|--|
| <b>Project Leader:</b> Crowe, Michael | <b>Date Due:</b> 09/14/12 (35 day TAT) |
| Received By: Beall, Mike              | Date Received: 08/10/12 09:19          |
| Logged In By: Beall, Mike             | Date Logged In: 08/10/12 15:31         |

|                       |   |  |
|-----------------------|---|--|
| Samples Received at:  | Placed in Cooler after Ice Removed: Yes | D.A.R.T. Project ID: <u>12-0562</u>                  |
| Custody Seals:        | Sample Containers Intact: Yes           | Program/Activity: <u>Air Toxics</u>                  |
| Custody Seals Intact: | Samples & COC Match: Yes                | Site/Waterbody: <u>WEYERHAEUSER - PINE HILL MILL</u> |
| COC Present: Yes      | COC/Labels Agree: Yes                   | <u>(110000822986)</u>                                |
| Ice in Cooler:        | All Analyses on COC: Yes                |  |

| Analysis | Due | TAT | Expires | Comments |
|----------|-----|-----|---------|----------|
|----------|-----|-----|---------|----------|

**E123207-01 YBA102FB / [ Air / Field Blank Air ] Sampled 08/02/12 12:55***A = 47 mm Air Filter*

|  |                |    |                |          |
|--|----------------|----|----------------|----------|
| Ammonia, Undistilled                     | 09/14/12 00:00 | 35 | 08/30/12 12:55 | from F2L |
| Chloride (Routine) by Ion Chromatography | 09/14/12 00:00 | 35 | 08/30/12 12:55 | from F2L |
| v Major Metals 6010 ICP                  | 09/14/12 00:00 | 35 | 01/29/13 12:55 | from F2L |
| Sulfate (Routine) by Ion Chromatography  | 09/14/12 00:00 | 35 | 08/30/12 12:55 | from F2L |

**E123207-02 YBA251FB / [ Air / Field Blank Air ] Sampled 08/01/12 09:20***A = 47 mm Air Filter*

|  |                |    |                |          |
|--|----------------|----|----------------|----------|
| Ammonia, Undistilled                     | 09/14/12 00:00 | 35 | 08/29/12 09:20 | from F2L |
| Sulfate (Routine) by Ion Chromatography  | 09/14/12 00:00 | 35 | 08/29/12 09:20 | from F2L |
| Chloride (Routine) by Ion Chromatography | 09/14/12 00:00 | 35 | 08/29/12 09:20 | from F2L |
| v Major Metals 6010 ICP                  | 09/14/12 00:00 | 35 | 01/28/13 09:20 | from F2L |

**E123207-03 YBATSP3FB / [ Air / Ambient Air ] Sampled 08/03/12 13:46***A = 47 mm Air Filter*

|  |                |    |                |          |
|--|----------------|----|----------------|----------|
| Ammonia, Undistilled                     | 09/14/12 00:00 | 35 | 08/31/12 13:46 | from F2L |
| v Major Metals 6010 ICP                  | 09/14/12 00:00 | 35 | 01/30/13 13:46 | from F2L |
| Sulfate (Routine) by Ion Chromatography  | 09/14/12 00:00 | 35 | 08/31/12 13:46 | from F2L |
| Chloride (Routine) by Ion Chromatography | 09/14/12 00:00 | 35 | 08/31/12 13:46 | from F2L |

**E123207-04 YBBTB1 / [ Air / Blank Filter ] Sampled 08/03/12 14:00***A = 47 mm Air Filter*

|  |                |    |                |          |
|--|----------------|----|----------------|----------|
| v Major Metals 6010 ICP                  | 09/14/12 00:00 | 35 | 01/30/13 14:00 | from F2L |
| Chloride (Routine) by Ion Chromatography | 09/14/12 00:00 | 35 | 08/31/12 14:00 | from F2L |
| Sulfate (Routine) by Ion Chromatography  | 09/14/12 00:00 | 35 | 08/31/12 14:00 | from F2L |
| Ammonia, Undistilled                     | 09/14/12 00:00 | 35 | 08/31/12 14:00 | from F2L |

**E123207-05 YBA101 / YBA [ Air / Ambient Air ] Sampled 08/01/12 10:20***A = 47 mm Air Filter*

|  |                |    |                |          |
|--|----------------|----|----------------|----------|
| Chloride (Routine) by Ion Chromatography | 09/14/12 00:00 | 35 | 08/29/12 10:20 | from F2L |
| Sulfate (Routine) by Ion Chromatography  | 09/14/12 00:00 | 35 | 08/29/12 10:20 | from F2L |
| v Major Metals 6010 ICP                  | 09/14/12 00:00 | 35 | 01/28/13 10:20 | from F2L |
| Ammonia, Undistilled                     | 09/14/12 00:00 | 35 | 08/29/12 10:20 | from F2L |

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**Client:** Air Quality Management (101A59)  
**Project:** Yellow Bluff Dust Study - MCROWE

**Project Number:** 12-0562  
**Acct # / Location:** 101A59C Yellow Bluff Wilcox AL

| Analysis   | Due            | TAT | Expires        | Comments |
|--|----------------|-----|----------------|----------|
| <b>E123207-06 YBA102 / YBA [ Air / Ambient Air ] Sampled 08/02/12 12:55</b>  |                |     |                |          |
| <i>A = 47 mm Air Filter</i>  |                |     |                |          |
| Sulfate (Routine) by Ion Chromatography                                      | 09/14/12 00:00 | 35  | 08/30/12 12:55 | from F2L |
| v Major Metals 6010 ICP  | 09/14/12 00:00 | 35  | 01/29/13 12:55 | from F2L |
| Chloride (Routine) by Ion Chromatography                                     | 09/14/12 00:00 | 35  | 08/30/12 12:55 | from F2L |
| Ammonia, Undistilled   | 09/14/12 00:00 | 35  | 08/30/12 12:55 | from F2L |
| <b>E123207-07 YBA103 / YBA [ Air / Ambient Air ] Sampled 08/03/12 13:53</b>  |                |     |                |          |
| <i>A = 47 mm Air Filter</i>  |                |     |                |          |
| v Major Metals 6010 ICP  | 09/14/12 00:00 | 35  | 01/30/13 13:53 | from F2L |
| Chloride (Routine) by Ion Chromatography                                     | 09/14/12 00:00 | 35  | 08/31/12 13:53 | from F2L |
| Sulfate (Routine) by Ion Chromatography                                      | 09/14/12 00:00 | 35  | 08/31/12 13:53 | from F2L |
| Ammonia, Undistilled   | 09/14/12 00:00 | 35  | 08/31/12 13:53 | from F2L |
| <b>E123207-08 YBA10C1 / YBA [ Air / Ambient Air ] Sampled 08/02/12 13:00</b> |                |     |                |          |
| <i>A = 47 mm Air Filter</i>  |                |     |                |          |
| v Major Metals 6010 ICP  | 09/14/12 00:00 | 35  | 01/29/13 13:00 | from F2L |
| Ammonia, Undistilled   | 09/14/12 00:00 | 35  | 08/30/12 13:00 | from F2L |
| Sulfate (Routine) by Ion Chromatography                                      | 09/14/12 00:00 | 35  | 08/30/12 13:00 | from F2L |
| Chloride (Routine) by Ion Chromatography                                     | 09/14/12 00:00 | 35  | 08/30/12 13:00 | from F2L |
| <b>E123207-09 YBA251 / YBA [ Air / Ambient Air ] Sampled 08/01/12 09:20</b>  |                |     |                |          |
| <i>A = 47 mm Air Filter</i>  |                |     |                |          |
| Sulfate (Routine) by Ion Chromatography                                      | 09/14/12 00:00 | 35  | 08/29/12 09:20 | from F2L |
| Chloride (Routine) by Ion Chromatography                                     | 09/14/12 00:00 | 35  | 08/29/12 09:20 | from F2L |
| Ammonia, Undistilled   | 09/14/12 00:00 | 35  | 08/29/12 09:20 | from F2L |
| v Major Metals 6010 ICP  | 09/14/12 00:00 | 35  | 01/28/13 09:20 | from F2L |
| <b>E123207-10 YBA252 / YBA [ Air / Ambient Air ] Sampled 08/02/12 12:50</b>  |                |     |                |          |
| <i>A = 47 mm Air Filter</i>  |                |     |                |          |
| v Major Metals 6010 ICP  | 09/14/12 00:00 | 35  | 01/29/13 12:50 | from F2L |
| Sulfate (Routine) by Ion Chromatography                                      | 09/14/12 00:00 | 35  | 08/30/12 12:50 | from F2L |
| Chloride (Routine) by Ion Chromatography                                     | 09/14/12 00:00 | 35  | 08/30/12 12:50 | from F2L |
| Ammonia, Undistilled   | 09/14/12 00:00 | 35  | 08/30/12 12:50 | from F2L |
| <b>E123207-11 YBA253 / YBA [ Air / Ambient Air ] Sampled 08/03/12 13:49</b>  |                |     |                |          |
| <i>A = 47 mm Air Filter</i>  |                |     |                |          |
| Ammonia, Undistilled   | 09/14/12 00:00 | 35  | 08/31/12 13:49 | from F2L |
| Chloride (Routine) by Ion Chromatography                                     | 09/14/12 00:00 | 35  | 08/31/12 13:49 | from F2L |
| Sulfate (Routine) by Ion Chromatography                                      | 09/14/12 00:00 | 35  | 08/31/12 13:49 | from F2L |
| v Major Metals 6010 ICP  | 09/14/12 00:00 | 35  | 01/30/13 13:49 | from F2L |

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| <b>Client:</b> Air Quality Management (101A59)   | <b>Project Number:</b> 12-0562                           |
| <b>Project:</b> Yellow Bluff Dust Study - MCROWE | <b>Acct # / Location:</b> 101A59C Yellow Bluff Wilcox AL |

| Analysis  | Due            | TAT | Expires        | Comments |
|---|----------------|-----|----------------|----------|
| <b>E123207-12 YBA25C1 / YBA [ Air / Ambient Air ] Sampled 08/01/12 10:32</b>  |                |     |                |          |
| <i>A = 47 mm Air Filter</i>   |                |     |                |          |
| Chloride (Routine) by Ion Chromatography                                      | 09/14/12 00:00 | 35  | 08/29/12 10:32 | from F2L |
| v Major Metals 6010 ICP   | 09/14/12 00:00 | 35  | 01/28/13 10:32 | from F2L |
| Ammonia, Undistilled  | 09/14/12 00:00 | 35  | 08/29/12 10:32 | from F2L |
| Sulfate (Routine) by Ion Chromatography                                       | 09/14/12 00:00 | 35  | 08/29/12 10:32 | from F2L |
| <b>E123207-13 YBATSP1 / YBA [ Air / Ambient Air ] Sampled 08/01/12 10:29</b>  |                |     |                |          |
| <i>A = 47 mm Air Filter</i>   |                |     |                |          |
| Ammonia, Undistilled  | 09/14/12 00:00 | 35  | 08/29/12 10:29 | from F2L |
| v Major Metals 6010 ICP   | 09/14/12 00:00 | 35  | 01/28/13 10:29 | from F2L |
| Chloride (Routine) by Ion Chromatography                                      | 09/14/12 00:00 | 35  | 08/29/12 10:29 | from F2L |
| Sulfate (Routine) by Ion Chromatography                                       | 09/14/12 00:00 | 35  | 08/29/12 10:29 | from F2L |
| <b>E123207-14 YBATSP2 / YBA [ Air / Ambient Air ] Sampled 08/02/12 12:58</b>  |                |     |                |          |
| <i>A = 47 mm Air Filter</i>   |                |     |                |          |
| Chloride (Routine) by Ion Chromatography                                      | 09/14/12 00:00 | 35  | 08/30/12 12:58 | from F2L |
| Sulfate (Routine) by Ion Chromatography                                       | 09/14/12 00:00 | 35  | 08/30/12 12:58 | from F2L |
| v Major Metals 6010 ICP   | 09/14/12 00:00 | 35  | 01/29/13 12:58 | from F2L |
| Ammonia, Undistilled  | 09/14/12 00:00 | 35  | 08/30/12 12:58 | from F2L |
| <b>E123207-15 YBATSP3 / YBA [ Air / Ambient Air ] Sampled 08/03/12 13:46</b>  |                |     |                |          |
| <i>A = 47 mm Air Filter</i>   |                |     |                |          |
| v Major Metals 6010 ICP   | 09/14/12 00:00 | 35  | 01/30/13 13:46 | from F2L |
| Chloride (Routine) by Ion Chromatography                                      | 09/14/12 00:00 | 35  | 08/31/12 13:46 | from F2L |
| Ammonia, Undistilled  | 09/14/12 00:00 | 35  | 08/31/12 13:46 | from F2L |
| Sulfate (Routine) by Ion Chromatography                                       | 09/14/12 00:00 | 35  | 08/31/12 13:46 | from F2L |
| <b>E123207-16 YBATSP3C / YBA [ Air / Ambient Air ] Sampled 08/03/12 13:53</b> |                |     |                |          |
| <i>A = 47 mm Air Filter</i>   |                |     |                |          |
| Chloride (Routine) by Ion Chromatography                                      | 09/14/12 00:00 | 35  | 08/31/12 13:53 | from F2L |
| Sulfate (Routine) by Ion Chromatography                                       | 09/14/12 00:00 | 35  | 08/31/12 13:53 | from F2L |
| Ammonia, Undistilled  | 09/14/12 00:00 | 35  | 08/31/12 13:53 | from F2L |
| v Major Metals 6010 ICP   | 09/14/12 00:00 | 35  | 01/30/13 13:53 | from F2L |
| <b>E123207-17 YBB101 / YBB [ Air / Ambient Air ] Sampled 08/01/12 08:10</b>   |                |     |                |          |
| <i>A = 47 mm Air Filter</i>   |                |     |                |          |
| Ammonia, Undistilled  | 09/14/12 00:00 | 35  | 08/29/12 08:10 | from F2L |
| v Major Metals 6010 ICP   | 09/14/12 00:00 | 35  | 01/28/13 08:10 | from F2L |
| Sulfate (Routine) by Ion Chromatography                                       | 09/14/12 00:00 | 35  | 08/29/12 08:10 | from F2L |
| Chloride (Routine) by Ion Chromatography                                      | 09/14/12 00:00 | 35  | 08/29/12 08:10 | from F2L |

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**Client:** Air Quality Management (101A59)  
**Project:** Yellow Bluff Dust Study - MCROWE

**Project Number:** 12-0562  
**Acct # / Location:** 101A59C Yellow Bluff Wilcox AL

| Analysis   | Due            | TAT | Expires        | Comments |
|--|----------------|-----|----------------|----------|
| <b>E123207-18 YBB102 / YBB [ Air / Ambient Air ] Sampled 08/02/12 11:21</b>  |                |     |                |          |
| <i>A = 47 mm Air Filter</i>  |                |     |                |          |
| Sulfate (Routine) by Ion Chromatography                                      | 09/14/12 00:00 | 35  | 08/30/12 11:21 | from F2L |
| v Major Metals 6010 ICP  | 09/14/12 00:00 | 35  | 01/29/13 11:21 | from F2L |
| Chloride (Routine) by Ion Chromatography                                     | 09/14/12 00:00 | 35  | 08/30/12 11:21 | from F2L |
| Ammonia, Undistilled   | 09/14/12 00:00 | 35  | 08/30/12 11:21 | from F2L |
| <b>E123207-19 YBB103 / YBB [ Air / Ambient Air ] Sampled 08/03/12 12:07</b>  |                |     |                |          |
| <i>A = 47 mm Air Filter</i>  |                |     |                |          |
| v Major Metals 6010 ICP  | 09/14/12 00:00 | 35  | 01/30/13 12:07 | from F2L |
| Ammonia, Undistilled   | 09/14/12 00:00 | 35  | 08/31/12 12:07 | from F2L |
| Chloride (Routine) by Ion Chromatography                                     | 09/14/12 00:00 | 35  | 08/31/12 12:07 | from F2L |
| Sulfate (Routine) by Ion Chromatography                                      | 09/14/12 00:00 | 35  | 08/31/12 12:07 | from F2L |
| <b>E123207-20 YBB251 / YBB [ Air / Ambient Air ] Sampled 08/01/12 08:06</b>  |                |     |                |          |
| <i>A = 47 mm Air Filter</i>  |                |     |                |          |
| Sulfate (Routine) by Ion Chromatography                                      | 09/14/12 00:00 | 35  | 08/29/12 08:06 | from F2L |
| v Major Metals 6010 ICP  | 09/14/12 00:00 | 35  | 01/28/13 08:06 | from F2L |
| Ammonia, Undistilled   | 09/14/12 00:00 | 35  | 08/29/12 08:06 | from F2L |
| Chloride (Routine) by Ion Chromatography                                     | 09/14/12 00:00 | 35  | 08/29/12 08:06 | from F2L |
| <b>E123207-21 YBB252 / YBB [ Air / Ambient Air ] Sampled 08/02/12 11:16</b>  |                |     |                |          |
| <i>A = 47 mm Air Filter</i>  |                |     |                |          |
| Chloride (Routine) by Ion Chromatography                                     | 09/14/12 00:00 | 35  | 08/30/12 11:16 | from F2L |
| v Major Metals 6010 ICP  | 09/14/12 00:00 | 35  | 01/29/13 11:16 | from F2L |
| Ammonia, Undistilled   | 09/14/12 00:00 | 35  | 08/30/12 11:16 | from F2L |
| Sulfate (Routine) by Ion Chromatography                                      | 09/14/12 00:00 | 35  | 08/30/12 11:16 | from F2L |
| <b>E123207-22 YBB253 / YBB [ Air / Ambient Air ] Sampled 08/03/12 12:04</b>  |                |     |                |          |
| <i>A = 47 mm Air Filter</i>  |                |     |                |          |
| Chloride (Routine) by Ion Chromatography                                     | 09/14/12 00:00 | 35  | 08/31/12 12:04 | from F2L |
| Ammonia, Undistilled   | 09/14/12 00:00 | 35  | 08/31/12 12:04 | from F2L |
| Sulfate (Routine) by Ion Chromatography                                      | 09/14/12 00:00 | 35  | 08/31/12 12:04 | from F2L |
| v Major Metals 6010 ICP  | 09/14/12 00:00 | 35  | 01/30/13 12:04 | from F2L |
| <b>E123207-23 YBBTSP1 / YBB [ Air / Ambient Air ] Sampled 08/01/12 08:10</b> |                |     |                |          |
| <i>A = 47 mm Air Filter</i>  |                |     |                |          |
| Chloride (Routine) by Ion Chromatography                                     | 09/14/12 00:00 | 35  | 08/29/12 08:10 | from F2L |
| v Major Metals 6010 ICP  | 09/14/12 00:00 | 35  | 01/28/13 08:10 | from F2L |
| Ammonia, Undistilled   | 09/14/12 00:00 | 35  | 08/29/12 08:10 | from F2L |
| Sulfate (Routine) by Ion Chromatography                                      | 09/14/12 00:00 | 35  | 08/29/12 08:10 | from F2L |

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## US-EPA, Region 4, SEDS

**Client:** Air Quality Management (101A59)  
**Project:** Yellow Bluff Dust Study - MCROWE

**Project Number:** 12-0562  
**Acct # / Location:** 101A59C Yellow Bluff Wilcox AL

| Analysis   | Due            | TAT | Expires        | Comments |
|--|----------------|-----|----------------|----------|
| <b>E123207-24 YBBTSP2 / YBB [ Air / Ambient Air ] Sampled 08/02/12 11:25</b> |                |     |                |          |
| <i>A = 47 mm Air Filter</i>  |                |     |                |          |
| Chloride (Routine) by Ion Chromatography                                     | 09/14/12 00:00 | 35  | 08/30/12 11:25 | from F2L |
| Ammonia, Undistilled   | 09/14/12 00:00 | 35  | 08/30/12 11:25 | from F2L |
| Sulfate (Routine) by Ion Chromatography                                      | 09/14/12 00:00 | 35  | 08/30/12 11:25 | from F2L |
| v Major Metals 6010 ICP  | 09/14/12 00:00 | 35  | 01/29/13 11:25 | from F2L |
| <b>E123207-25 YBBTSP3 / YBB [ Air / Ambient Air ] Sampled 08/03/12 12:08</b> |                |     |                |          |
| <i>A = 47 mm Air Filter</i>  |                |     |                |          |
| v Major Metals 6010 ICP  | 09/14/12 00:00 | 35  | 01/30/13 12:08 | from F2L |
| Chloride (Routine) by Ion Chromatography                                     | 09/14/12 00:00 | 35  | 08/31/12 12:08 | from F2L |
| Sulfate (Routine) by Ion Chromatography                                      | 09/14/12 00:00 | 35  | 08/31/12 12:08 | from F2L |
| Ammonia, Undistilled   | 09/14/12 00:00 | 35  | 08/31/12 12:08 | from F2L |